

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

๛๛๛๛๛๛๛๛๛๛๛

IN RE APPLICATION:

S. Mark Haugland

SERIAL NO. 10/783,426

CONFIRMATION NO. 6364

FILED: February 20,2 004

FOR: SHEAR WAVE VELOCITY

DETERMINATION USING

MULTI-POLE WAVE

EXAMINER: Donald E. McElheny, Jr.

GROUP ART UNIT: 2857

MS AMENDMENT Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty, under 37 C.F.R. § 1.56, 1.97 and 1.98, to disclose all relevant material, the Applicant lists below the following references believed to be relevant to the subject matter of the above-identified application:

	U.S. Patent No.	Issue Date	<u>Inventor</u>
1.	4,774,693	09-27-1988	Winbow, et al.
2.	4,779,236	10-18-1988	Sondergeld
3.	5,852,262	12-22-1998	Gill et al.

OTHER DOCUMENTS

 X. M. Tang, et al., "A dispersive-wave processing technique for estimating formation shear velocity from dipole and Stoneley waveforms," Petrophysics, Vol. 60, No. 1 (January-February 1995), pp. 19-28, 9 Figs.

180.00

Applicant respectfully submits that the invention in the above-identified application is patentably distinguishable over the cited references known to Applicant and disclosed in the above Second Supplemental Information Disclosure Statement.

The Commissioner of Patents is authorized to charge deposit account number 502255 for the required fee of \$180.00 under 37 C.F.R. 1.97(c)(2).

Respectfully submitted,

Date: November 21.

2005.

Stuart J. Ford Reg. No. 37,486

PathFinder Energy Services, Inc.

15151 Sommermeyer Houston, TX 77041

(713) 996-1760 Telephone

(713) 996-4164 Facsimile

--Applicant--

O 1 P & 12005

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE, STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known		
Application Number	10/783,426	
Filing Date	2-20-2004	
First Named Inventor	S. Mark Haugland	
Art Unit	2857	
Examiner Name	Donald J. McElheny, Jr.	
Attorney Docket Number	PAT029US	

of 1 Sheet **U.S. PATENT DOCUMENTS Document Number** Examiner Cite **Publication Date** Name of Patentee or Pages, Columns, Lines, Initials* MM-DD-YYYY Applicant of Cited Document Where Relevant Passages Number-Kind Code (if known) or Relevant Figures Appear ĀĀ 4,774,693 US-09-27-1988 Winbow, et al. 4,779,236 10-18-1988 AB US-Sondergeld AC US-5,852,262 12-22-1998 Gill et al. US-US-US-US-US-US-US-US-US-US-US-US-FOREIGN PATENT DOCUMENTS Foreign Patent Document Pages, Columns, Lines, Examiner Cite Name of Patentee or Where Relevant Passages **Publication Date** Country Code-Number-Kind Code T^1 Initials* No. MM-DD-YYYY Applicant of Cited Document or Relevant Figures Appear OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T¹ Initials* item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published AD X. M. Tang, et al., "A dispersive-wave processing technique for estimating formation shear velocity from dipole and Stoneley waveforms," Petrophysics, Vol. 60, No. 1 (January-February 1995), pp. 19-28, 9 Figs. Examiner Date Considered Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

1 Applicant is to place a check mark here if English language Translation is attached.